

What is claimed is :

INS a1 → 1. A stapling machine for stapling together sheets of paper, the stapling machine comprising a first component and a second component; an anvil, adapted to clinch the ends of the arms of a staple, being carried by the first component; a pivotal connection connecting together the first component and the second component; a magazine for carrying staples being carried by the second component; means on the second component adjacent the magazine defining a staple ejection slot through which a staple may be ejected from the magazine; means for biasing staples within the magazine towards the staple ejection slot, a staple ejector blade positioned and adapted to move through the staple ejection slot to eject a staple towards the anvil; an actuator element associated with the staple ejector blade, and being moveable to move the ejector blade as a result of pivotal movement of the first component and the second component; means associated with the actuator element, to retain the actuator element, in a first position until, as a consequence of pivotal movement of the first and second components, a predetermined force has been applied to the actuator element tending to bias the ejector blade downwardly and to release the actuator element when said predetermined force is applied to permit the actuator element to move, driving the staple ejector blade to eject a staple through the staple ejection slot towards the anvil.

2. A stapling machine according to Claim 1 wherein the means adapted to retain the actuator element in position comprise a toggle having part adapted to engage part of the actuator element, the toggle being adapted to be moved to a position in which the toggle does not engage the spring when said predetermined force has been applied to the actuator element.

3. A stapling machine according to Claim 2 wherein the toggle is resiliently biased towards a position in which it engages the actuator element.

4. A stapling machine according to Claim 2 wherein the actuating element is a spring of substantially "U" shape, presenting two substantially parallel arms, one arm being connected to the staple ejection blade and being associated with the said toggle, the other arm being movable, away from the first arm actuating element, to apply said predetermined force to the first element, means being provided to operate the toggle when the said other arm has been moved to apply said predetermined force.

5. A stapling machine according to Claim 4 wherein the toggle is provided with means adapted to engage the free end of the said other arm of the actuator spring when the actuator spring has been moved to apply said predetermined extent.

6. A stapling machine according to Claim 4 in the form of a pliers stapling machine, the stapling machine incorporating a manually operable actuating lever which is pivotally connected to the first component and which engages said actuator spring to effect operation of the stapling machine.

7. A stapling machine according to Claim 6 wherein the actuating lever has roller means engaging the said other arm of said actuator spring.

8. A stapling machine according to Claim 7 wherein said roller means also engage the first arm of said actuator spring, and the actuating handle is provided with resilient means adapted to bias the actuating handle to an initial position, so that as the handle is biased towards the initial position the roller engages the actuating spring and moves the actuating spring to an initial position.